

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/000077

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.<sup>7</sup> H01L27/146, G01T1/24, G01T1/20, H01L31/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.<sup>7</sup> H01L27/146, G01T1/24, G01T1/20, H01L31/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Toroku Jitsuyo Shinan Koho	1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	JP 2003-264280 A (Hamamatsu Photonics Kabushiki Kaisha), 19 September, 2003 (19.09.03), Full text; Figs. 1 to 8 (Family: none)	1, 8-11
A	JP 2002-359446 A (Hitachi, Ltd.), 13 December, 2002 (13.12.02), Full text; Figs. 1 to 35 & WO 02/100142 A1	1
A	JP 8-330469 A (Hitachi, Ltd.), 13 December, 1996 (13.12.96), Full text; Figs. 1 to 17 (Family: none)	1, 2

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

31 March, 2004 (31.03.04)

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Name and mailing address of the ISA/  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 6-347480 A (Nitto Denko Corp.), 22 December, 1994 (22.12.94), Full text; Figs. 1 to 5 (Family: none)	1,2
A	US 2002/0038851 A1 (Kenji KAJIWARA), 04 April, 2002 (04.04.02), Full text; Figs. 1 to 38 & JP 2002-139569 A full text; Figs. 1 to 38	1-11